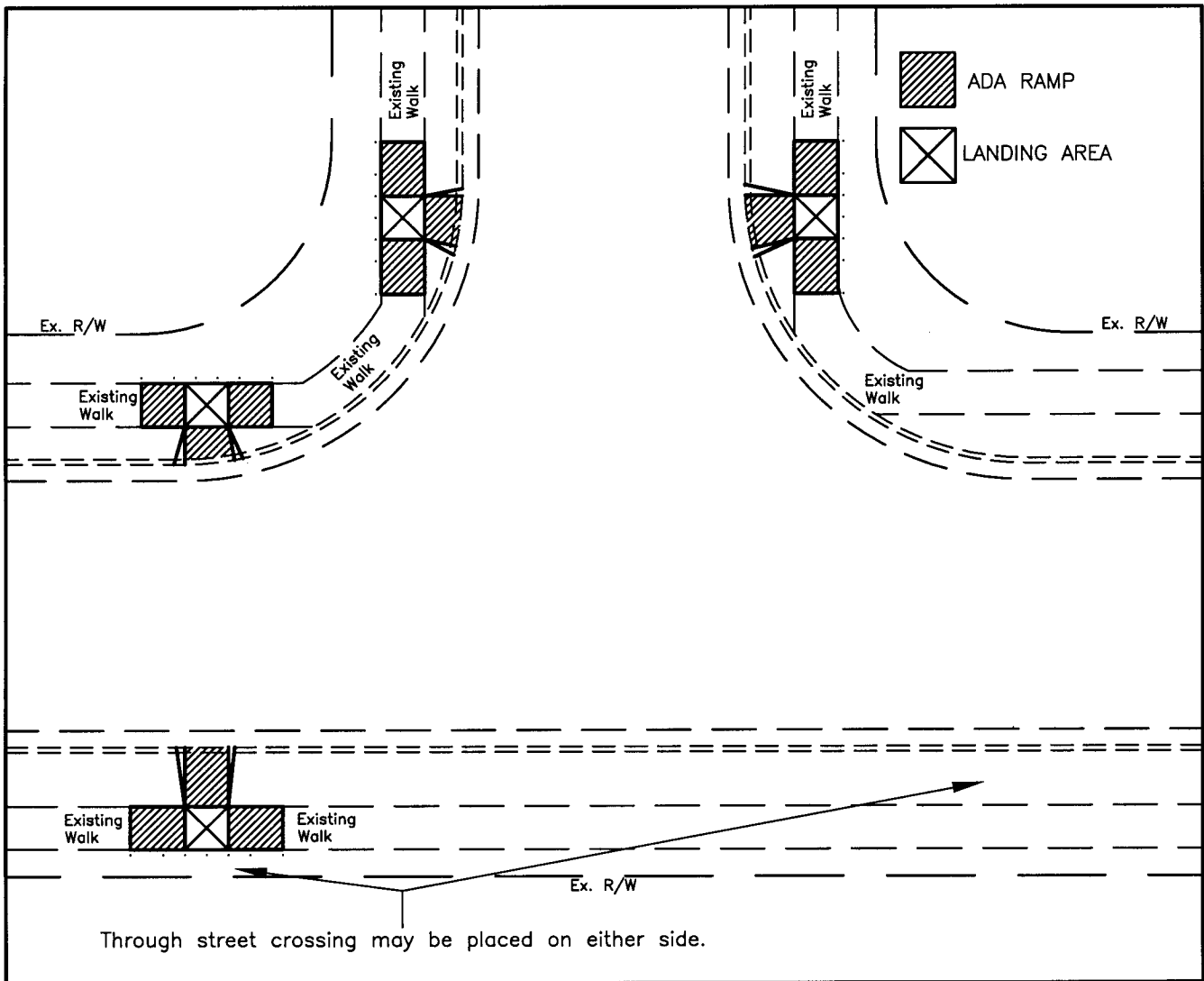


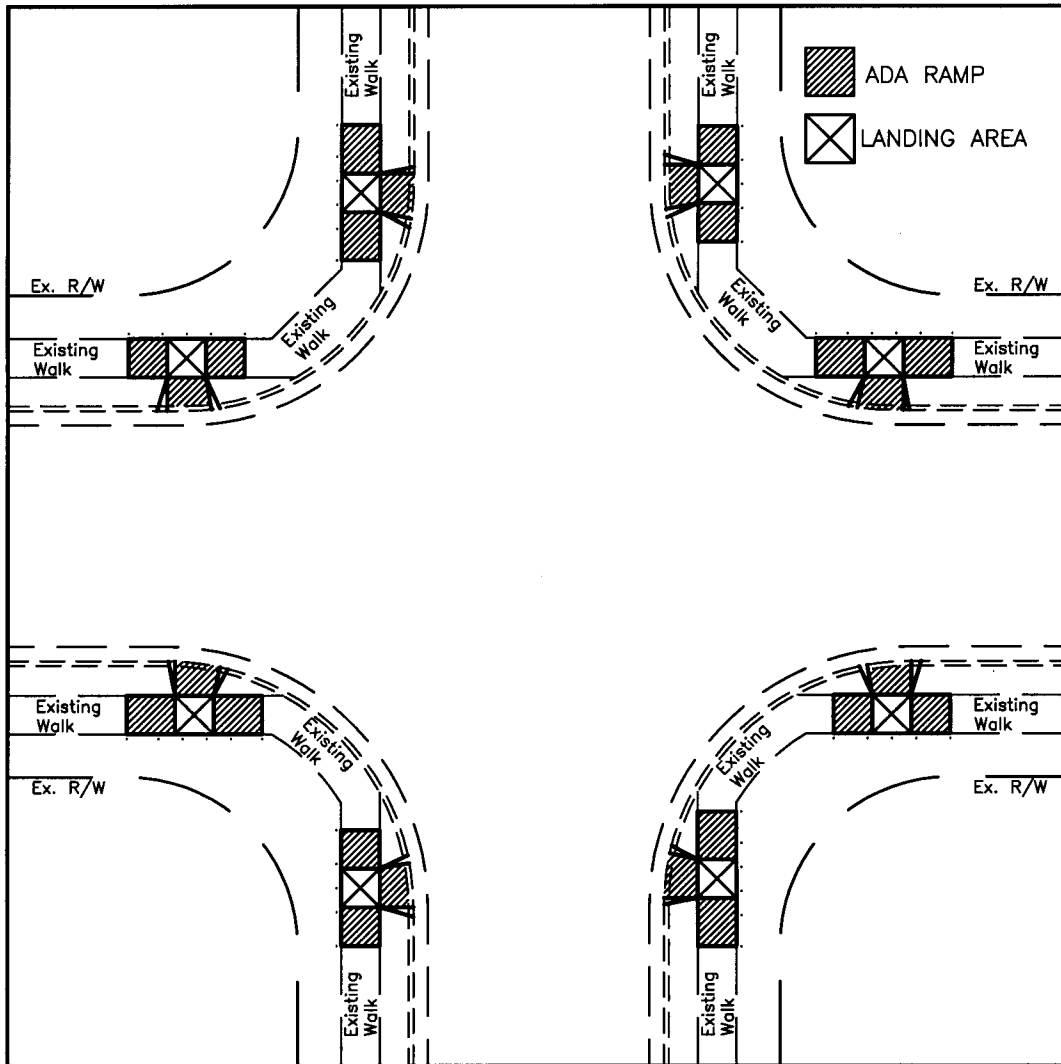
g:\Standard Drawings\ACAD\Curb Ramps.dwg CR-1 Layout JAN 16, 2003 10:02 AM
 msawder S:\Enr



NOT TO SCALE

Most of the streets in Hilliard have tree-lawns of insufficient width to provide a normal PERPENDICULAR RAMP. The directional combination ramp layout shown here is preferred in these areas whenever applicable. See standard drawing for COMBINATION RAMP for details. This layout does not apply to arterial roadways.

APPROVED DRAFT	RETROFIT CURB RAMP LAYOUT -- T-INTERSECTION	CITY OF HILLIARD, OHIO	
CITY ENGINEER _____ DATE _____		STANDARD CONSTRUCTION DRAWING	
SCALE: NTS		1/1	CR-1



NOT TO SCALE

Most of the streets in Hilliard have tree-lawns of insufficient width to provide a normal PERPENDICULAR RAMP. The directional combination ramp layout shown here is preferred in these areas whenever applicable. See standard drawing for COMBINATION RAMP for details. This layout does not apply to arterial roadways.

j:\Standard Drawings\ACAD\Curb Ramps.dwg CR-2 Layout JAN 16, 2003 10:03 AM
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APPROVED <div style="border: 2px solid black; padding: 5px; display: inline-block; transform: rotate(-5deg); font-size: 2em; font-weight: bold;">DRAFT</div>	RETROFIT CURB RAMP LAYOUT -- 4-WAY INTERSECTION	CITY OF HILLIARD, OHIO STANDARD CONSTRUCTION DRAWING
CITY ENGINEER _____ DATE _____		1/1 CR-2
SCALE: NTS		

Notes:

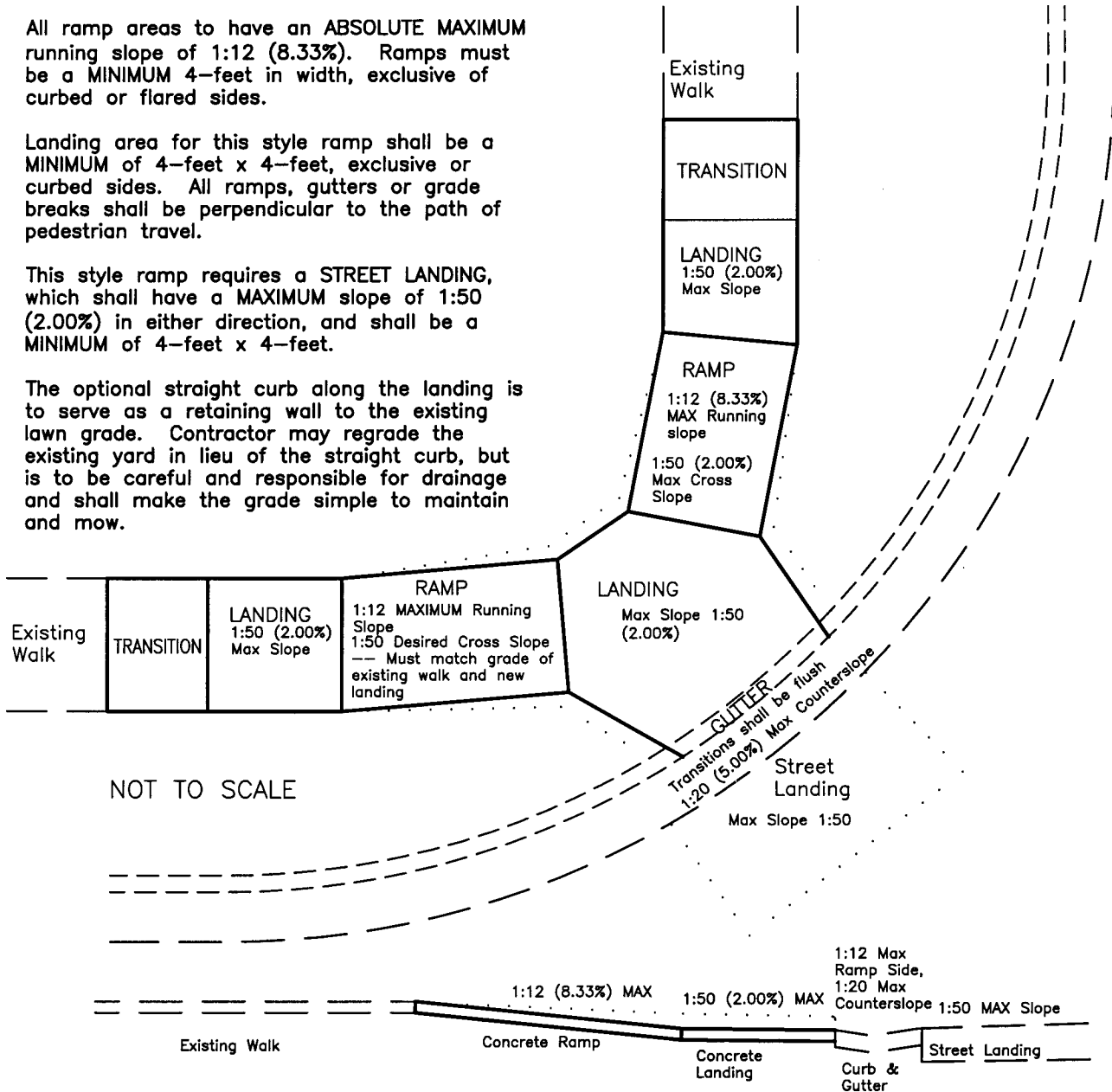
This standard is reserved for areas where directional ramps are impossible or impractical.

All ramp areas to have an ABSOLUTE MAXIMUM running slope of 1:12 (8.33%). Ramps must be a MINIMUM 4-feet in width, exclusive of curbed or flared sides.


Landing area for this style ramp shall be a MINIMUM of 4-feet x 4-feet, exclusive of curbed sides. All ramps, gutters or grade breaks shall be perpendicular to the path of pedestrian travel.

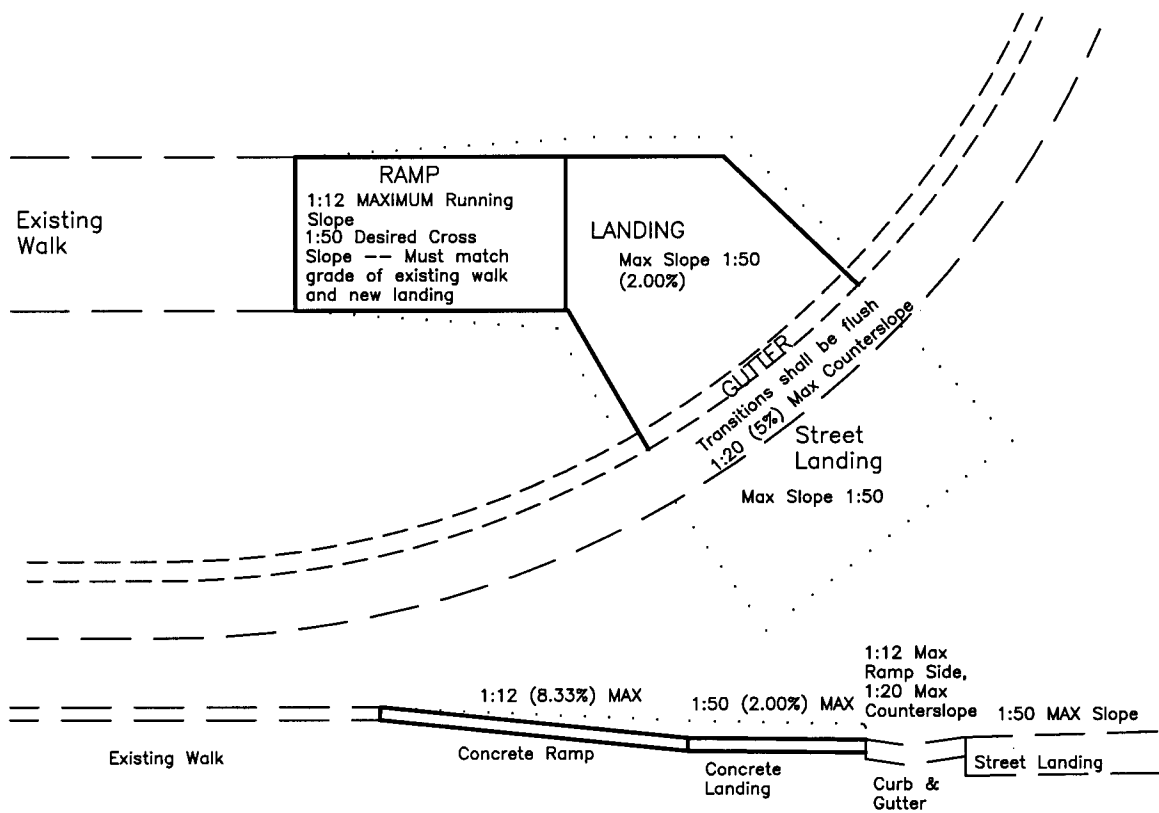
This style ramp requires a STREET LANDING, which shall have a MAXIMUM slope of 1:50 (2.00%) in either direction, and shall be a MINIMUM of 4-feet x 4-feet.

The optional straight curb along the landing is to serve as a retaining wall to the existing lawn grade. Contractor may regrade the existing yard in lieu of the straight curb, but is to be careful and responsible for drainage and shall make the grade simple to maintain and mow.



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APPROVED 	RETROFIT CURB RAMP --- DIAGONAL PARALLEL STYLE	CITY OF HILLIARD, OHIO	
CITY ENGINEER DATE		STANDARD CONSTRUCTION DRAWING	
SCALE: NTS		1/1	CR-3



NOT TO SCALE

Notes:

This standard is reserved for areas where directional ramps are impossible or impractical.

All ramp areas to have an **ABSOLUTE MAXIMUM** running slope of 1:12 (8.33%). Ramps must be a **MINIMUM** 4-feet in width, exclusive of curbed or flared sides.

Landing area for this style ramp shall be a **MINIMUM** of 4-feet x 4-feet, exclusive of curbed sides. All ramps, gutters or grade breaks shall be perpendicular to the path of pedestrian travel.

This style ramp requires a **STREET LANDING**, which shall have a **MAXIMUM** slope of 1:50 (2.00%) in either direction, and shall be a **MINIMUM** of 4-feet x 4-feet.

The optional straight curb along the landing is to serve as a retaining wall to the existing lawn grade. Contractor may regrade the existing yard in lieu of the straight curb, but is to be careful and responsible for drainage and shall make the grade simple to maintain and mow.

APPROVED
DRAFT

RETROFIT CURB RAMP

 IN-LINE PARALLEL STYLE

CITY OF
HILLIARD, OHIO

STANDARD
 CONSTRUCTION DRAWING

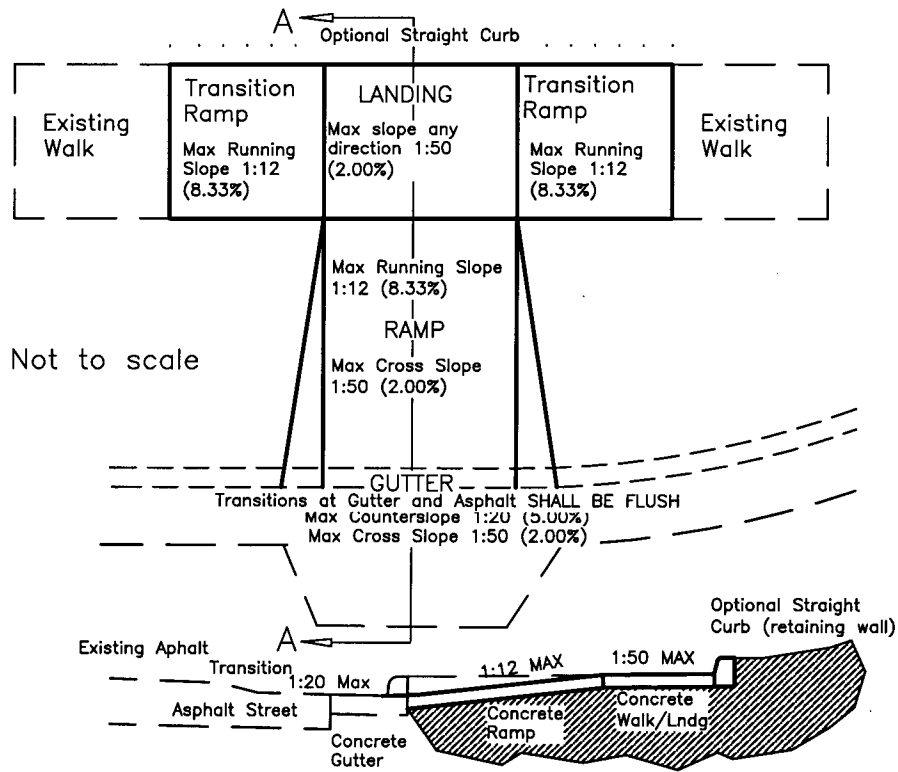
CITY ENGINEER _____ DATE _____

SCALE: NTS

1/1

CR-4

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Section A-A

Notes:

All ramp areas to have an **ABSOLUTE MAXIMUM** running slope of 1:12 (8.33%). Ramps must be **MINIMUM** 4-feet in width.

Landing shall be **MINIMUM** 4-feet x 4-feet, and have slope no greater than 1:50 (2.00%). Contractor shall take special care to insure all ramps and landings drain to street.

Transition Ramps must meet the new landing and the existing walk with a smooth, flush connection. Cross slopes should meet the 2.00% criteria whenever possible.

Transitions at the asphalt and gutter shall be **FLUSH**, with no bumps or dips. The counter slope to the gutter line leading to the street shall have a **MAXIMUM** slope of 1:20 (5.00%). This counter slope shall have a minimum length of 3-feet (1' from ramp line and 2' more in the asphalt street).

The optional straight curb at the back of the landing is to serve as a retaining wall to the existing lawn grade. Contractor may regrade the existing yard in lieu of the straight curb, but is to be careful and responsible for drainage and shall make the grade simple to maintain and mow.

APPROVED

DRAFT

RETROFIT CURB
RAMP

PERPENDICULAR /
COMBINATION STYLE

CITY OF
HILLIARD, OHIO

STANDARD
CONSTRUCTION DRAWING

CITY ENGINEER DATE

SCALE: NTS

1/1

CR-5

Notes:

This is the preferred style of curb ramp, and should be used whenever possible.

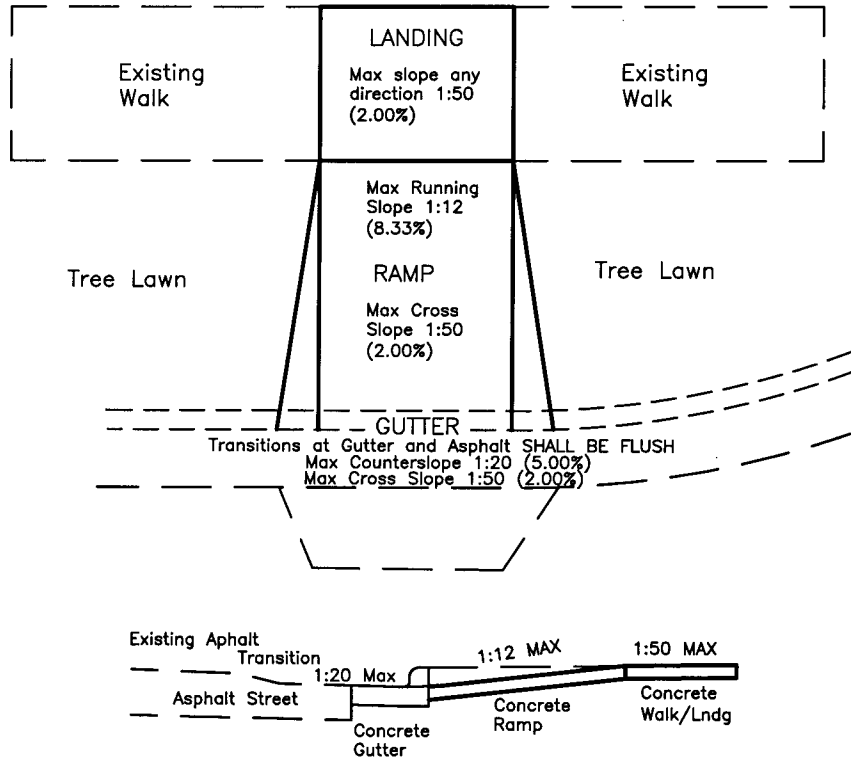
All ramp areas to have an ABSOLUTE MAXIMUM running slope of 1:12 (8.33%). Ramps must be MINIMUM 4-feet in width.

Landing shall be MINIMUM 4-feet x 4-feet, and have slope no greater than 1:50 (2.00%). Contractor shall take special care to insure all ramps and landings drain to street.

Transitions at the asphalt and gutter shall be FLUSH, with no bumps or dips. The ramp shall be built perpendicular to the gutterline, and any grade changes shall occur perpendicular to the path of pedestrian travel.

The counter slope to the gutter line leading to the street shall have a MAXIMUM slope of 1:20 (5.00%). This counter slope shall have a minimum length of 3-feet (1' from ramp line and 2' more in the asphalt street).

**PERPENDICULAR CURB RAMP
(TREE LAWN)**



Not to scale

APPROVED

DRAFT

CITY ENGINEER _____ DATE _____

SCALE: NTS

NEW OR RETROFIT
CURB RAMP
--
PERPENDICULAR STYLE

CITY OF
HILLIARD, OHIO

STANDARD
CONSTRUCTION DRAWING

1/1

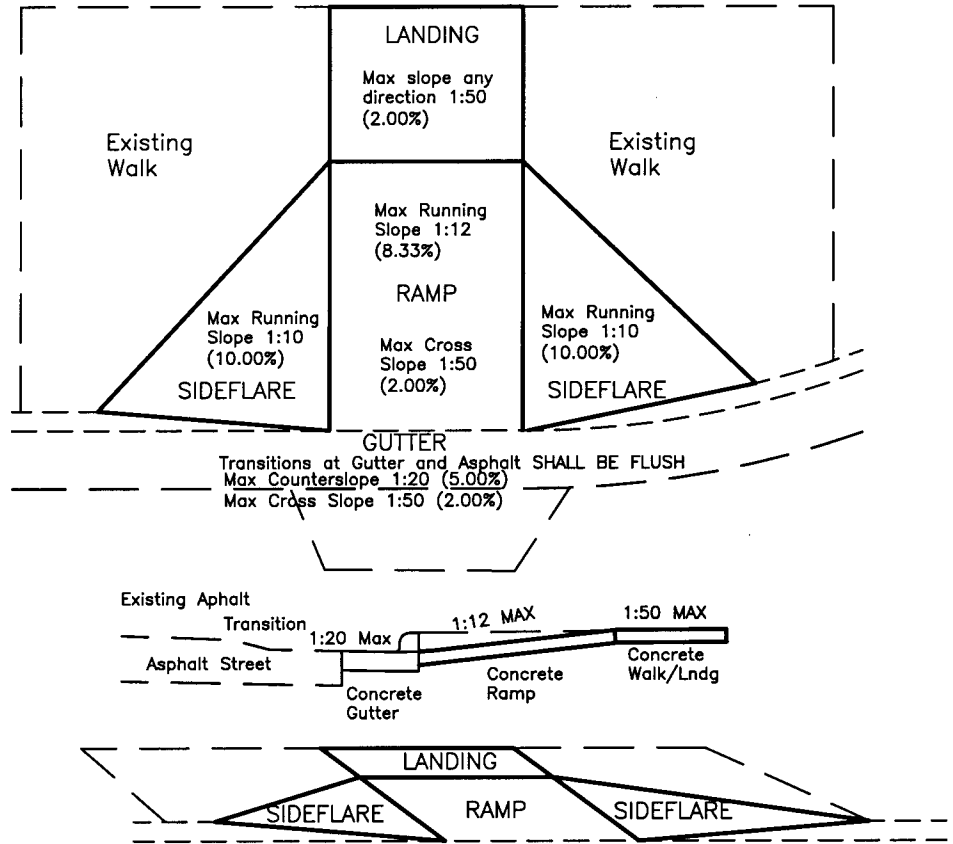
CR-6

Notes:

All ramp areas to have an **ABSOLUTE MAXIMUM** running slope of 1:12 (8.33%). Ramps must be **MINIMUM 4-feet** in width.

Landing shall be **MINIMUM 4-feet x 4-feet**, and have slope no greater than 1:50 (2.00%). Contractor shall take special care to insure all ramps and landings drain to street.

Transitions at the asphalt and gutter shall be **FLUSH**, with no bumps or dips. The counter slope to the gutter line leading to the street shall have a **MAXIMUM** slope of 1:20 (5.00%). This counter slope shall have a minimum length of 3-feet (1' from ramp line and 2' more in the asphalt street).



Not to scale

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APPROVED

DRAFT

CITY ENGINEER _____ DATE _____

SCALE: NTS

NEW OR RETROFIT
CURB RAMP

PERPENDICULAR STYLE
WITH FLARES

CITY OF
HILLIARD, OHIO

STANDARD
CONSTRUCTION DRAWING

1/1

CR-7

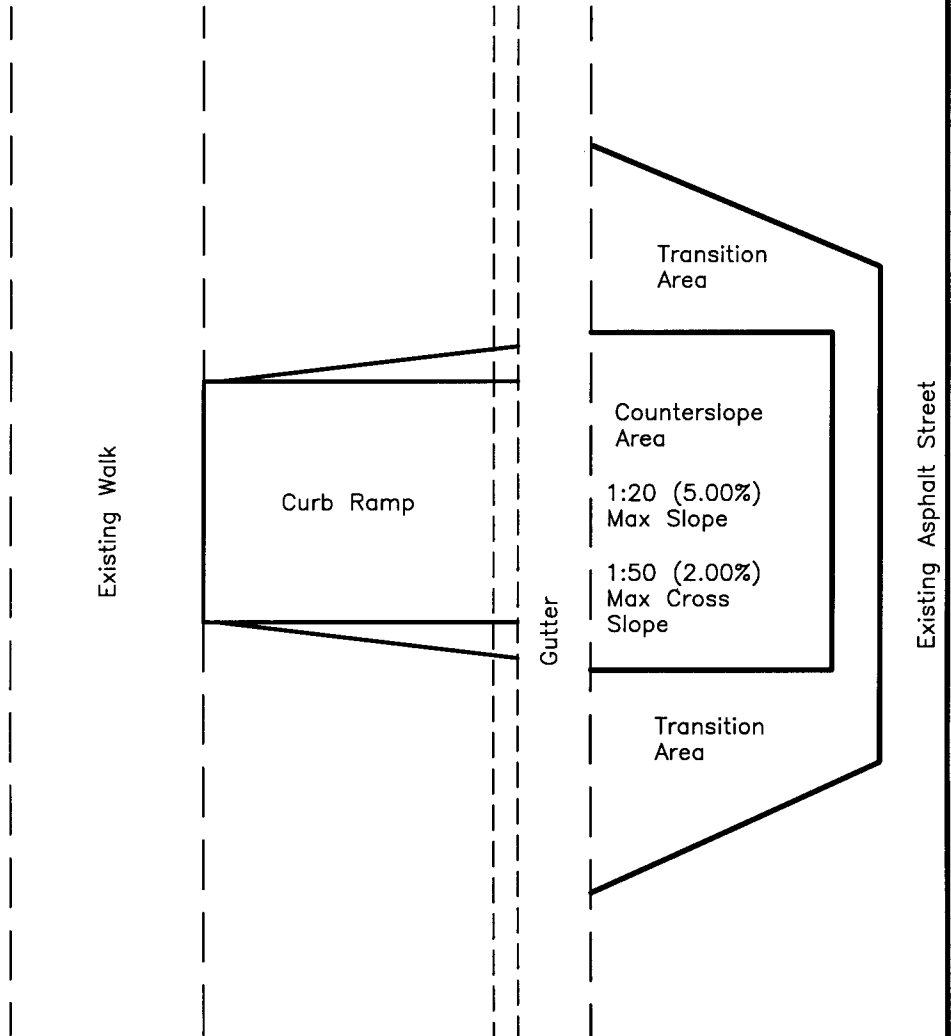
Notes:

Contractor is to replace or correct existing pavement to comply with the following specifications at areas adjacent to curb ramps as specified by the ENGINEER.

Counterslope area shall have a MAXIMUM slope of 1:20 (5.00%), and a MAXIMUM cross-slope of 1:50 (2.00%).

Counterslope area shall have a MINIMUM width equal to that of the adjacent ramp. All transitions shall be flush, particularly those along the path of pedestrian travel. The transition areas are to provide a smooth travel area to connect the counterslope area with the existing asphalt street.

Contractor may mill, use partial depth pavement replacement, utilize heat welding, or any other method to provide specifications located herein as approved by the ENGINEER.



Not to scale

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PAVEMENT REPAIR FOR CURB RAMP		STANDARD CONSTRUCTION DRAWING	
CITY ENGINEER _____	DATE _____	1/1	CR-8
SCALE: NTS			